Attorney Docket No. 522.1921D3

09/909809 09/909809 07/23/61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:						
Mayumi TOMIKAW	/A et al.		Plunkett			
Application No.: D	ivisional of 08/014,867	Group Art Unit: 2163	ι ·			
Filed: July 23, 200	01	Examiner: Stamber, E.				
SIMILAR P	For: METHOD AND APPARATUS FOR EXTRACTING AND EVALUATING MUTUALLY SIMILAR PORTIONS IN ONE-DIMENSIONAL SEQUENCES IN MOLECULES AND/O THREE-DIMENSIONAL STRUCTURE OF MOLECULES					
	INFORMATION DISCLO	SURE STATEMENT				
Assistant Commiss Washington, D.C.						
certain information value patent application. I	te with the duty of disclosure proving the examiner may consider to the examiner may to the examiner may the examiner may ination of the subject application.	naterial to the examination of	the subject U.S.			
1.Enclosures accomp	panying this Information Disclosure	Statement are:				
1a.	Form PTO-1449. Copies of IDS citations. An English language copy of sapplication or a PCT Internation English language translation (each non-English language put Explanations of Relevancy of Internation of Relevancy of Internation of Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List of Additional Submitted Decided in IDS Copending Applications List OpenDecided IDS CopenDecided IDS CopenDecideDecided	onal Search Report. complete or relevant portio ablication. References (ATTACHMEN n of each non-English public (ATTACHMENT)	n(s)) attached to T 1(e), hereto) for lication.			
2.	ation Disclosure Statement is filed under	37 CFR §1.97(b):				
2a.	Within three months of the filin Continued Prosecution Applica Within three months of the dat §1.491 in an international appl Before the mailing of a first Of Before the mailing of a first Of Continued Examination under	ation under §1.53(d); e of entry of the national st ication. fice Action on the merits; o fice Action after the filing of	tage as set forth in			

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3.		2 abo	ve but l	nation Disclosure Statement is filed under 37 CFR §1.97(c) after the period specified in paragraph at before the mailing date of a Final Office Action under §1.113, a Notice of Allowance under an action that otherwise closes prosecution in the application, AND					
				3b; Item 3b to be checked if more than 3 months)					
		3a. 3b.		The §1.97(e) Statement in Item 5 below is applicable; OR The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:					
				to be charged to Deposit Account No. 19-3935.					
4.				tion Disclosure Statement is filed under 37 CFR §1.97(d) after period specified in paragraph 3 n or before payment of the Issue Fee, AND					
		4a. 4b.	=	The § 1.97(e) Statement in Item 5 below is applicable; AND The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is: enclosed.					
				to be charged to Deposit Account No. 19-3935.					
5. (Che	□ eck eith		nent un 15a or	der § 1.97(e) (applicable if Item 3a or Item 4 is checked)					
(Cin	con cum	_	_	In accordance with 37 CFR §1.97(e)(1), it is stated that each item of					
		5a.		information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.					
		5b.		In accordance with 37 CFR §1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.					
6.	\boxtimes			tinuation/divisional/continuation-in-part application under 37 CFR §1.53(b).					
(Che	гск арр	-		66 and/or 6b)					
		6a.		Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. 08/014,867, filed on February 8, 1993, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. §120, have been omitted pursuant to 37 CFR §1.98(d).					
		6b.		Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No, filed on, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. §120, are provided herewith.					
7.	\boxtimes			tinuation/divisional application under 37 CFR §1.53(d) or Request for Continued Examination R 1.114.					
(Che	eck eith		1 7a or						

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	7a. ⊠ 7b. ∏	The Issue Fee has not been paid. A Petition to Withdraw from issue under 37 CFR §1.313(c) is filed concurrently herewith or has been granted. A continuation application under 37 CFR §1.53(d) or Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee is proper in accordance with 37 CFR §1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.
_		oplemental Information Disclosure Statement.
Check either	Item 8a or	<i>8b</i>)
{	8a. 🗍	This Supplemental Information Disclosure Statement under 37 CFR §1.97(f) supplements the Information Disclosure Statement filed on A bona fide attempt was made to comply with 37 CFR §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on .
8	8b. 🗍	This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §1.97 and 1.98, mailed (MPEP 609 C(1), Form ¶ 6.49, Rev. 1, Feb. 2000, pp. 600-107)
eac	ch non-Engl	with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of ish language publication is:
Check appro	priate Items	3 9a, 9b, 9c and/or 9d)
	9a. ☐ 9b. ☐	satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).) set forth in the application.
	9c.	satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
(9d. 🔲	enclosed as Attachment 1(e), hereto.

- 10.No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).
- 11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: 23, 200/ 700 Eleventh Street, N.W., Suite 500

Washington, D.C. 20001 Telephone: (202) 434-1500

Facsimile: (202) 434-1501

By:

Gene M. Garner II Registration No. 34,172

S&H Form: (2/01)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 522,1921D3	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT	FIRST NAMED INVENTOR Mayumi TOMIKAWA et al.	06/014,007
(Use several sheets if necessary)	FILING DATE july 23, 2001	GROUP ART UNU 2163

U.S. PATENT DOCUMENTS

EXAMINER				T		SUB-	FILING
INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	CLASS	DATE
	AA	4,823,306	4/89	Barbic et al.			
	AB	4,853,871	8/89	Pantoliano et al.			
	AC	4,939,666	7/90	Hardman			
	AD	5,157,736	10/92	Boyer et al.			
	AE	5,200,910	4/93	Subbiah			
	AF	5,241,470	8/93	Lee et al.			
	AG	5,263,159	11/93	Mitsui			
	AH	5,331,573	7/94	Balaji et al.			
······································	Al	5,410,493	4/95	Konagaya			
***************************************	AJ	5,446,798	8/95	Morita et al.			1

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	LATION NO
	AK						
	AL						
	AM				-		
	AN						
-	AO						-
-	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER REF.	EKENCES (including Author, Title, Date, Pertinent Pages, Etc.)
	AQ	"The Student Edition of MATLAB", 1992 by The MathWorks, Inc., Prentice-Hall Publishing
	AR	Vriend and Sander, A Detection of Common Three-Dimensional Substructures in Proteins@PROTEINS: Structure, Function, and Genetics, No. 1, 1991, pages 52-58
	AS	Alexandrov, Takahashi, and Go, A Common Spatial Arrangements of Backbone Fragments in Homologous and Non-homologous Proteins@ Journal of Molecular Biology, (1992) 225, pages 5-9
	AT	Shoichi Sato and Toru Yao, A Homology Analysis of Protein Conformational Data,@ The Tenth Chemistry Information Discussion Meeting, November 6 - November 8, 1987, The Fifteenth Structure-Activity Relationship Program, November 6 - November 8, 1987, pp. 88-92 (English Translation numbered as pp. 1-6)
	AU	Toru Kitanaka and Hideaki Umeyama, A Development of a Protein Modeling Method by Using Known Conformations@, The Tenth Chemistry Information Discussion Meeting, November 6 - November 8, 1987, The Fifteenth Structure-Activity Relationship Program, November 6 - November 8, 1987, pp. 354-357 (English Translation numbered as pp. 7-15)
	AV	Nobuo Tomioka and Akiko Itai, AA Variety of Computer Images Molecular Designing and Molecular Modeling@, pp. 64, 65, et. seq. (English Translation numbered as pp.16-23)
	AW	Orengo, Brown, and Taylor, A Fast Structure Alignment for Protein Databank Searching@ PROTEINS: Structure, Function, and Genetics 14:139-167 (1992)

EXAMINER	DATE CONSIDERED					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not						
considered. Include copy of this form with next communication to applicant.						

	ATTORNEY DOCKET NO.	APPLICATIONALLY, FORM: (2/0)
LIST OF COPENDING APPLICATIONS	522.1921D3	Divisional Application of 08/014,867
LIST OF COPENDING APPLICATIONS	FIRST NAMED INVENTOR	P ==
	Mayumi TOMIKAWA et	al. ".5
	FILING DATE	GROUP ART UNIT
	July 23, 2001	2163
TACHMENT I(f)		· K

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. A copy of the identified copending application(s) is provided pursuant to 37 CFR 1.98(a)(2)(iii), unless domestic priority thereto has been claimed under 35 USC §120, 37 CFR §1.98(d).

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information

EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE	Domestic Priority Claimed?
	1	08/014,867	February 8, 1993	Mayumi TOMIKAWA et al.	FUJITSU LIMITED	
	2					
	3					
	4					
	5					
	6					
	7					
	8					

is being filed.

U.S. PATENT APPLICATION DOCUMENTS

EXAMINER	DATE CONSIDERED				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance a not considered. Include copy of this form with next communication to applicant.					